

**ROCKY FLATS SITE
REGULATORY CONTACT RECORD**

Purpose: Revision of sampling locations to reflect Site reconfiguration

Contact Record Approval Date: November 7, 2008

Site Contact(s) / Affiliation(s):

Scott Surovchak / DOE; Linda Kaiser / Stoller; Rick DiSalvo / Stoller; John Boylan / Stoller

Regulatory Contact(s) / Affiliation(s):

Carl Spreng / CDPHE

Discussion:

Two monitoring locations identified in the RFLMA warrant revision.

1. Sentinel well TH046992 is located in the center of Dam B-3. This well will be abandoned as part of the upcoming dam breach project, following routine RFLMA-required sampling for the fourth calendar quarter of 2008.

Due to the dam breach, a replacement well would need to be situated south of the original well location. However, there already are groundwater monitoring locations in this area: with respect to the current location of well TH046992, Sentinel well 95099 is located approximately 160 ft. to the southeast, and Sentinel well 23296 is located approximately 300 ft. to the southwest. Therefore, the replacement well would be redundant. The pipe routing water from the ETPTS groundwater intercept trench to the associated treatment cells is also located south of and in the immediate vicinity of well TH046992, and would further complicate selection of a replacement location.

Analytical data from well TH046992 have consistently shown few detected contaminants, none above the corresponding levels in RFLMA Attachment 2, Table 1. This is also the case at the nearest well, 95099. The objective of both of these wells is to monitor the distal edge of the East Trenches Plume in the South Walnut Creek drainage.

It is proposed that well TH046992 be abandoned as required, but not replaced; and that RFLMA monitoring continue unchanged at nearby wells 95099 and 23296.

2. Construction of the Solar Ponds Plume Treatment System (SPPTS) upgrade in accordance with CR 2008-08 has recently been completed. The SPPTS treated effluent sampling location is identified in RFLMA Attachment 2, Table 2 as SPPMM01, and represents the water in the bottom of the approximately 15-foot deep metering manhole at the SPPTS.

The upgrade includes a new effluent line. A sampling port was installed on this line to allow effluent sample collection directly from the line rather than from the water in the bottom of the manhole. Upon the approval of this Contact Record, the new monitoring location, SPOUT, will replace SPPMM01.

Closeout of Contact Record: This contact record will be closed upon receipt of the approval of the two proposals herein.

Resolution: The monitoring network will be revised as stated in this Contact Record, which shall serve as formal notification of these changes. Adoption of this proposal does not constitute a significant change from existing RFLMA requirements. In the next proposed modification to RFLMA Attachment 2, references to well TH046992 will be deleted, and references to location SPPMM01 will be replaced with location SPOUT. Minor changes such as these (and that described in CR-2008-04) will be accumulated and the RFLMA Attachment 2 will be modified to incorporate the accumulated minor changes at the same time.

Contact Record Prepared by: John Boylan

Distribution:

Carl Spreng, CDPHE
Scott Surovchak, DOE
Linda Kaiser, Stoller
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